

ADDENDUM NO. 1

TO: ALL BIDDERS OF RECORD

PROJECT: Traveler's Rest State Park – Parking Area Improvements

FWP PROJECT #: 7116422

DATE: 04/09/14

FROM: Kelly Williams, Montana FWP Project Manager

Acknowledge receipt of this addendum by inserting its number and date in the Proposal Form and on the Bid Envelope. Failure to do so may subject bidder to disqualification.

This Addendum forms a part of the Contract Documents. Clarification and/or modifications area as follows:

Invitation to Bid;

- The Bid Opening date has been changed to **3:00 PM on Thursday May 08, 2014.**
- The Pre-Bid Walkthrough has been rescheduled for **Wednesday, April 23, 2014 at 11:00.**
- An updated Invitation to Bid form is included with this addendum.

Plans and Specifications;

- Plans and specifications for connecting Traveler's Rest State Park to the Lolo Water District have been added to the project as "Additive Alternate #1"
- Plans and Specifications for this additive portion of the project are included with this addendum.
- An updated Proposal form including "Additive Alternate #1" is included with this addendum.



INVITATION TO BID

Sealed bids will be received up to and including **3:00 PM** on **May 08, 2014**, and will be publicly opened and read aloud in the offices of the Design and Construction, 1522 9TH Avenue, P.O. Box 200701, Helena, MT 59620-0701, for: **Traveler's Rest State Park Parking Area Improvements Project, FWP # 7116422 near Lolo, MT.**

Bids shall be submitted on the form provided within the Contract Documents. Contract documents may be secured from the Montana Fish, Wildlife, & Parks, Design & Construction Upcoming Bid Openings Web Site at:

<http://fwp.mt.gov/doingBusiness/designAndConstruction/upcomingBidOpenings.html>

For more information contact the following:

**Montana Fish, Wildlife, & Parks
Design & Construction
1522 9TH Avenue
P O Box 200701
Helena, MT 59620-0701
PH: 406-841-4000 FX: 406-841-4004**

A refundable deposit of **-0-** is required for each plan set.

A PRE-BID WALK-THROUGH IS SCHEDULED FOR April 23, 2014 AT 11:00 AM.
PARTICIPANTS SHOULD MEET AT TRAVELER'S REST STATE PARK.
ATTENDANCE IS STRONGLY RECOMMENDED.

All bids over \$25,000.00 must be accompanied by a bid security meeting the requirements of the State of Montana in the amount of 10% of the total bid. After award, the successful bidder must furnish an approved Performance Security and a Labor & Material Payment Security each in the amount of 100% of the contract.

No bidder may withdraw his bid for at least thirty (30) calendar days after the scheduled time for receipt of bids except as noted in the Instruction to Bidders.

The Owner reserves the right to reject any or all bids and to waive any and all irregularities or informalities and the right to determine what constitutes any and all irregularities or informalities.

DESIGN AND CONSTRUCTION
DEPARTMENT OF FISH WILDLIFE AND PARKS
STATE OF MONTANA

REVISED PROPOSAL

Montana Fish, Wildlife & Parks
Design and Construction
PO Box 200701
1522 9th Avenue
Helena, Montana 59620-0701

FWP Project #: 7116422

The undersigned, having familiarized himself with the conditions of the work and the contract documents as prepared by Professional Consultants Incorporated, agrees to furnish all labor, materials, equipment, and services necessary to complete all general construction work, as bid herein, for a project entitled Traveler's Rest State Park – Parking Lot Expansion, Missoula County, Montana in accordance with the Contract Documents including all Addenda. Bidder agrees to perform all work described below at the price shown as follows:

****Reminder To Contractors: All Unit Prices must be filled in on the Bid Form for a valid bid.**

BASE BID – Parking Area Construction:

Item #	Description	Unit	Estimated Quantity	Unit Price	Total Amount
1	Mobilization/Demobilization	LPSM	1		\$
2	SWPPP	LPSM	1		\$
3	Traffic Control	LPSM	1		\$
4	Site Clearing and Demolition	LPSM	1		\$
5	Excavation and Embankment	CY	300	\$	\$
6	Subexcavation Replacement	CY	50	\$	\$
7	Roadway Preparation	LPSM	1		\$
8	Topsoil Stripping and Replacement	LPSM	1		\$
9	Crushed Base Course	CY	652	\$	\$
10	3" Minus Sub Base Course	CY	375	\$	\$
11	Storm Water Inlet	EACH	1	\$	\$
12	Roadway / Trail Asphalt	SY	9780	\$	\$
13	Concrete Curb	LF	1100	\$	\$
14	Concrete Sidewalk	SF	215	\$	\$
15	Detectable Warning Surface	EACH	9	\$	\$
16	Crosswalk Paint	SF	475	\$	\$
17	Striping – 4 inch	LF	1785	\$	\$
18	Painted Handicap Symbol	EACH	3	\$	\$
19	Seeding / Restoration	SY	4469	\$	\$
20	Lighting System	LPSM	1		\$
21	Signing	LPSM	1		\$
	Total				\$

BASE BID:

AND _____/100 DOLLARS (\$_____).

ADDITIVE ALTERNATE #1 – Water System

Item #	Description	Unit	Estimated Quantity	Unit Price	Total Amount
1	Mobilization/Demobilization	LPSM	1		\$
2	Water Main Tapping	LPSM	1		\$
3	Curb Stop	LPSM	1		\$
4	Meter Vault	LPSM	1		\$
5	Frost Free Hydrant	EA	3	\$	\$
6	Valve Vault	LPSM	1		\$
7	2" Water Line	LF	1450	\$	\$
8	Tracer Wire	LPSM	1		\$
9	Barrier Rocks	EA	5	\$	\$
	Total				\$

ADD. ALT. #1 BID:

AND _____/100 DOLLARS (\$_____).

TOTAL BID (BASE AND ADD. ALT #1):

AND _____/100 DOLLARS (\$_____).

And certifies that he is a duly and regularly licensed contractor registered with the Montana Department of Labor and Industry:

FIRM NAME: _____ TELEPHONE# _____

EMAIL: _____

SIGNED BY: _____ DATE: _____ REG# _____

BUSINESS ADDRESS _____

ADDENDUM NO. _____ DATE: _____ ADDENDUM NO. _____ DATE: _____

SPECIFICATIONS FOR WORK

SPECIAL PROVISIONS

Contents:

1. Project Description
2. Project Related Contracts
3. Site Inspection
4. Soils Information
5. Project Representativeing, Inspections, and Testing
6. Project Representativeing Interpretations
7. Rejected Work
8. Utilities
9. Construction Safety
10. Construction Limits and Areas of Disturbance
11. Protection of Adjacent Improvements
12. Tree Protection and Preservation
13. Construction Surveys
14. Material Sources and Construction Water
15. Materials Salvage and Disposal
16. Stored Materials
17. Security
18. Cleanup
19. Access During Construction
20. Sanitary Facilities
21. Proposal Item Descriptions and Estimated Quantities

1. PROJECT DESCRIPTION

FWP Project # 7116303 - Project involves connecting the Traveler's Rest State Park visitor center to the Lolo Water District's public water supply. Specifically, the project entails tapping a 12 inch water main and installing approximately 1450 feet of 2" water line, connection to an existing distribution system, associated valves, curb stops, back flow prevention, meter vault, and a frost free hydrant. Project also requires back fill, clean up and reseeding.

2. PROJECT RELATED CONTACTS

Project contacts are designated as follows:

Owner:	Montana FWP 1420 E. Sixth Ave. PO Box 200701 Helena, MT 59620-0701	Project Representative:	Kelly Williams FWP Project Manager 600 N. Park Ave. Helena, MT 59620-0701 406-841-4002 (wk) 406-428-2737(cell) 406-841-4004 (fax)
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3. SITE INSPECTION

All Bidders should satisfy themselves as to the construction conditions by personal examination of the site described in this document. Bidders are encouraged to make any investigation necessary to assess the nature of the construction and the difficulties to be encountered.

4. SOILS INFORMATION

Geotechnical investigation work has not been done for this Project. If desired, it is the responsibility of the Contractor to conduct all investigations and determine the soil type and digging conditions that may be encountered with this Project prior to bid preparation.

5. PROJECT REPRESENTATIVEING, INSPECTIONS, AND TESTING

The Contractor's work will be periodically tested and observed to insure compliance with the Contract Documents. Complete payment will not be made until the Contractor has demonstrated that the work is complete and has been performed as required. If the Project Representative detects a discrepancy between the work and the requirements of the Contract Documents at any time, up to and including final inspection, such work will not be completely paid for until the Contractor has corrected the deficiency.

The Project Representative will periodically monitor the construction of work to determine if the work is being performed in accordance with the contract requirements. The Project Representative does not have the authority or means to control the Contractor's methods of construction. It is, therefore, the Contractor's responsibility to utilize all methods, equipment, manpower, and other means necessary to assure that the work is installed in compliance with the Drawings and Specifica-

tions, and laws and regulations applicable to the work. Any discrepancies noted shall be brought to the Contractor's attention, who shall immediately correct the discrepancy. Failure of the Project Representative to detect a discrepancy will not relieve the Contractor of his ultimate responsibility to perform the work as required.

The Contractor shall inspect the work as it is being performed. Any deviation from the Contract requirements shall be immediately corrected. Prior to any scheduled observation by the Project Representative, the Contractor shall again inspect the work and certify to the Project Representative that he has inspected the work and it meets the requirements of the Contract Documents. All buried work items shall be inspected by the Project Representative prior to backfilling, or may not be considered for payment.

The work will be subject to review by the Project Representative. The results of all such observations shall be directed to the Contractor only through the Project Representative.

5.1 Services Provided by the Contractor. The Contractor shall provide the following services:

- a. The Contractor is responsible for any surveying they desire or deem necessary for the project.
- b. The contractor is responsible for delivering a complete and functional project. Materials or labor not specifically addressed in the plans and specifications yet necessary for the successful operation of the project systems shall be the responsibility of the contractor.

6. ENGINEERING INTERPRETATIONS

Timely Engineering decisions on construction activities or results have an important bearing on the Contractor's schedule. When engineering interpretation affects a plan design or specifications change, it should be realized that more than 24 hours may be required to gain the necessary Owner participation in the decision process including time for formal change order preparation as required.

7. REJECTED WORK

Any defective work or nonconforming materials or equipment that may be discovered at any time prior to the expiration of the warranty period shall be removed and replaced with work or materials which shall conform to the provisions of the Contract Documents. Any material condemned or rejected shall be removed at once from the project site. Failure on the part of the Project Representative to condemn or reject bad or inferior work or to note nonconforming materials or equipment on the Contractors submittals shall not be construed to imply acceptance of such work. The Owner shall reserve and retain all its rights and remedies at law against the Contractor and its Surety for correction of any and all latent defects discovered after the guarantee period.

The Project Representative will have the authority to reject work which does not conform to the

Contract Documents and will provide the Owner with a list of defective work and nonconforming materials or equipment. The Owner will then promptly provide the Contractor with the list of defective work on nonconforming materials or equipment.

8. UTILITIES

The exact locations of existing underground utilities that may conflict with the work are not precisely known. It shall be the Contractor's responsibility to contact the owners of the respective utilities and arrange for field location services. **One Call Locators, 1-800-424-5555**

8.1 Notification. The Contractor shall contact, in writing, all public and private utility companies that may have utilities that may be encountered during excavation. The notification includes the following information:

- a. The nature of the work that the Contractor will be performing.
- b. The time, date and location that the Contractor will be performing work that may conflict with the utility.
- c. The nature of work that the utility will be required to perform such as moving a power pole, supporting a pole or underground cable, etc.
- d. Requests for field location and identification of utilities.

A copy of the letter of notification shall be provided to the Project Representative. During the course of construction, the Contractor shall keep the utility companies notified of any change in schedule or nature of work that differs from the original notification.

8.2 Identification. All utilities that may conflict with the work shall be the Contractor's responsibility to locate before any excavation is performed. Field markings provided by the utilities shall be preserved by the Contractor until actual excavation commences. All utility locations on the Drawings should be considered approximate and should be verified in the field by the Contractor. The Contractor shall also be responsible for locating all utilities that are not located on the Drawings.

8.3 Removal or Relocation of Utilities. All electric power, street lighting, gas, telephone, and television utilities that require relocation will be the responsibility of the utility owner. A request for extending the specified contract time will be considered if utility owners cause delays.

8.4 Public Utilities. Water, sewer, storm drainage, and other utilities owned and operated by the public entities shall, unless otherwise specifically requested by the utility owner, be removed, relocated, supported or adjusted as required by the Contractor at the Contractor's expense. All such work shall be in accordance with these Specifications, or the Owner's Standard Specifications or written instructions when the work involved is not covered by these Specifications.

- 8.5 Other Utilities. Utilities owned and operated by private individuals, railroads, school districts, associations, or other entities not covered in these Special Provisions shall, unless otherwise specifically requested by the utility owner, be removed, relocated, supported or adjusted as required by the Contractor at the Contractor's expense. All work shall be in accordance with the utility owner's directions, or by methods recognized as being the standard of the industry when directions are not given by the owner of the utility.
- 8.6 Damage to Utilities and Private Property. The Contractor shall protect all utilities and private property and shall be solely responsible for any damage resulting from his construction activities. The Contractor shall hold the Owner and Project Representative harmless from all actions resulting from his failure to properly protect utilities and private property. All damage to utilities shall be repaired at the Contractor's expense to the full satisfaction of the owner of the damaged utility or property. The Contractor shall provide the Owner with a letter from the owner of the damaged utility or property stating that it has been repaired to the utility owner's full satisfaction.
- 8.7 Structures. The Contractor shall exercise every precaution to prevent damage to existing buildings or structures in the vicinity of his work. In the event of such damages, he shall repair them to the satisfaction of the owner of the damaged structure at no cost to the Owner.
- 8.8 Overhead Utilities. The Contractor shall use extreme caution to avoid a conflict, contact, or damage to overhead utilities, such as power lines, streetlights, telephone lines, television lines, poles, or other appurtenances during the course of construction of this project.
- 8.9 Buried Gas Lines. The Contractor shall provide some means of overhead support for buried gas lines exposed during trenching to prevent rupture in case of trench caving.
- 8.10 Survey Markers and Monuments. The Contractor shall use every care and precaution to protect and not disturb any survey marker or monuments, such as those that might be located at lot or block corners, property pins, intersection of street monuments or addition line demarcation. Such protection includes markings with flagged high lath and close supervision. No monuments shall be disturbed without prior approval of the Project Representative. Any survey marker or monument disturbed by the Contractor during the construction of the project shall be replaced at no cost to the Owner by a licensed land surveyor.
- 8.11 Temporary Utilities. The Contractor shall provide all temporary electrical, lighting, telephone, heating, cooling, ventilating, water, sanitary, fire protection, and other utilities and services necessary for the performance of the work. All fees, charges, and other costs associated therewith shall be paid for by the Contractor.

The Contract Plans may show utility locations based on limited field observation and information provided to the Project Representative by others. **The Project Representative cannot guarantee their accuracy.** The Contractor shall immediately notify the Project Representative of any discrepancies with utility locations as shown on the Contract Drawings and/or their bury depths that may in any way affect the intent of construction as scoped in these specifications.

There will be no separate payment for exploratory excavation required to locate underground utilities.

9. CONSTRUCTION SAFETY

The Contractor shall be solely and completely responsible for conditions of the jobsite, including safety of all persons (including employees) and property during performance of the work. This requirement shall apply continuously and not be limited to normal working hours. Safety provisions shall conform to U.S. Department of Labor (OSHA), and all other applicable federal, state, county, and local laws, ordinances, codes, and regulations. Where any of these are in conflict, the more stringent requirement shall be followed. The Contractor's failure to thoroughly familiarize himself with the aforementioned safety provisions shall not relieve him from compliance with the obligations and penalties set forth therein.

10. CONSTRUCTION LIMITS AND AREAS OF DISTURBANCE

10.1 Construction Limits. Where construction easements or property lines, are not specifically called out on the Plan Drawings, limit the construction disturbance to 10 feet when measured from the edge of the slope stake grading, or to the adjacent property line, whichever is less. Disturbance and equipment access beyond this limit is not allowed without the written approval of both the Project Representative and the owner of the affected property. If so approved, disturbance beyond construction limits shall meet all requirements imposed by the landowner; this includes existing roads used and/or improved as well as the construction of new access roads. Special construction, reclamation, or post-construction road ripping or other closure provisions required by the landowner on access roads beyond the construction limits shall be performed by the Contractor at no additional cost to the Owner.

10.2 Areas of Disturbances. Approved areas of disturbance are those areas disturbed by construction activities within the construction limits and along designated or approved access routes. Such areas may require reclamation and revegetation operations, including grading to the original contours, top soiling with salvaged or imported topsoil, seeding, fertilizing, and mulching as specified herein. Other areas that are disturbed by the Contractor's activities outside of the limits noted above will be considered as site damage or unapproved areas of disturbance subject to Repair and Replacement Quality as specified in the General Conditions. This includes areas selected by the Contractor outside the defined construction limits for mobilization, offices, equipment, or material storage.

11. PROTECTION OF ADJACENT IMPROVMENTS

Retain and protect all adjacent improvements not called for removal on the drawings. Restore all damaged items to pre-existing condition.

12. TREE PROTECTION AND PRESERVATION

The Contractor and the Owner shall individually inspect all trees within the project construction limits prior to construction. The Owner and Contractor shall jointly determine which trees are to be removed and which trees are to be preserved. Construction of the grading, utilities and various roadway facilities must not, in the opinion of the Project Representative, significantly damage the trees root system or hinder its chances for survival. Reasonable variations from the plans, as determined by the Project Representative, may be employed to ensure the survival of trees.

13. CONSTRUCTION SURVEYS

It is the responsibility of the Contractor to set all construction staking necessary for the project. Dimensions and elevations indicated in layout of work shall be verified by the Contractor. Discrepancies between Drawings, Specifications, and existing conditions shall be referred to the Project Representative for adjustment before work is performed.

Contractor shall be aware of property pins and survey monuments. Damage to these pins will require replacement of such by a registered land surveyor at no cost to the owner.

The Contractor is responsible for the location and elevation of all the construction contemplated by the Contract Documents.

Prior to commencing work, the Contractor shall carefully compare and check all drawings, each with the other that in any way affects the location or elevation of the work to be executed by him, and should any discrepancy be found, he shall immediately report the same to the Project Representative for verification and adjustment. Any duplication of work made necessary by failure or neglect on his part to comply with this function shall be done at his sole expense.

14. MATERIAL SOURCES AND CONSTRUCTION WATER

The Contractor shall be responsible for locating all necessary material sources, including aggregates, earthen borrow and water necessary to complete the work. The Contractor shall be responsible for meeting all transportation and environmental regulations as well as paying any royalties. The Contractor shall provide the Project Representative with written approvals of landowners from whom materials are to be obtained prior to approval.

The Contractor may use materials from any source, providing the materials have been tested through representative samples and will meet the Specifications.

Water for compaction efforts shall be supplied by the Contractor.

15. MATERIALS SALVAGE AND DISPOSAL

If the Owner requests to salvage material removed from the project, notify the Owner within 24 hours prior to delivery at a specific location approved by the Owner.

Haul and waste all excavated material to a legal site and obey all state, county, and local disposal restrictions and regulations.

16. STORED MATERIALS

Contractor shall use an approved storage area for materials. Materials and/or equipment purchased by the Contractor may be paid for on a monthly basis providing invoices for said materials and equipment are presented to the Project Representative, and such materials have been approved through the submittal process are stored and insured.

17. SECURITY

The Contractor shall provide all security measures necessary to assure the protection of equipment, materials in storage, completed work, and the project in general.

18. CLEANUP

Cleanup for each item of work shall be fully completed and accepted before the item is considered final. If the Contractor fails to perform cleanup within a timely manner the Owner reserves the right to shut down construction activities.

19. ACCESS DURING CONSTRUCTION

Provide access to all public and private roadways and approaches along the project throughout the construction period.

20. SANITARY FACILITIES

On-site toilet facilities for employees of Contractor and Subcontractors shall be provided by the contractor and maintained in a sanitary condition.

21. PROPOSAL ITEM DESCRIPTIONS AND ESTIMATED QUANTITIES

1. Mobilization/Demobilization:

- * Description: This bid item includes all equipment, labor and associated work necessary for the transporting of equipment to and from the work site to construct the project to the lines and grades as noted in the specifications and drawings.

2. Water Main Tapping:

- * Description: This bid item includes all equipment, labor and associated work for the tapping of the twelve inch water main and connection of the corporation stop and 2" water service line in accordance with plans and specifications.

Estimated Quantity: N/A

3. Curb Stop:

- * Description: This bid item includes all equipment, labor and associated work for installation of a curb stop and appurtenances in accordance with plans and specifications.

Estimated Quantity: N/A

4. Meter Vault:

- * Description: This bid item includes all equipment, materials, labor and associated work for the installation of a meter vault and all associated valves, and appurtenances in accordance with plans and specifications.

Estimated Quantity: N/A

5. Frost Free Hydrant:

- * Description: This bid item includes all equipment, labor and associated work for the installation and placement of the frost free hydrant in accordance with plans and specifications.

Estimated Quantity: N/A

6. Valve Vault:

- * Description: This bid item includes all equipment, materials, labor and associated work for the installation of a concrete vault and all associated valves, and appurtenances in accordance with plans and specifications.

Estimated Quantity: N/A

7. 2" Water Line:

- * Description: This bid item includes all equipment, labor and associated work for the installation and placement of 2" water service line in accordance with the plans and specifications.

This bid item also includes the vault and necessary appurtenances for the connection to the existing distribution system, as well as all disinfection and pressure testing required by the state or local regulation.

Estimated Quantity: 1450 LF

8. Tracer Wire:

- * Description: This bid item includes all equipment, labor and associated work for the installation and placement of tracer wire along the entire length of installed water service line in accordance with plans and specifications

Estimated Quantity: 1450 LF.

All items necessary for the successful completion the project but not specifically listed above shall be considered incidental to the listed bid items. This includes but is not limited to any traffic control required to maintain at least single lane traffic to and from the visitor center throughout the project

SPECIFICATIONS FOR WORK

TECHNICAL PROVISIONS

Incorporation of Montana Public Works Technical Specifications.

The Technical Specifications as found in Montana Public Works Standard Specifications (MPWSS), Sixth Edition, April 2010; are hereby incorporated by reference and made a part of this Contract:

Incorporation of Montana Fish, Wildlife & Parks Technical Specifications and Modifications to MPW Technical Specifications.

In addition to the MPWSS Technical Specifications are the following Montana Fish, Wildlife & Parks Technical Specifications (modifications to MPWSS Technical Specifications).

SECTION 01050 -	Field Engineering
SECTION 01450 -	Mobilization/Demobilization
SECTION 01750 -	Final Cleanup
SECTION 02221 -	Trench Excavation and Backfill for Pipelines and Appurtenant Structures
SECTION 02241 -	Barrier Rock
SECTION 02910 -	Revegetation

SECTION 01050

FIELD ENGINEERING

All applicable portions of this specification section in the MPWSS shall apply with the following additions, deletions and/or modifications.

PART 3 EXECUTION

1.1 CONSTRUCTION SURVEY

- A. Perform all survey, staking, recording of data, and calculations as necessary to construct the project from the initial layout to final completion. Reset stakes as many times as necessary to construct the work.

PART 4 MEASUREMENT AND PAYMENT

Add the following:

- A. Construction Surveying will not paid for. It shall be considered incidental to other items in the contract.

END OF SECTION 01050

SECTION 01450

MOBILIZATION/DEMobilIZATION

Added Section.

PART 1 GENERAL

1.1 DESCRIPTION

- A. This item shall consist of the preparatory work and operations necessary performed by the Contractor for the movement of personnel, equipment, supplies, and incidentals to and from the work site. The work includes those actions necessary for obtaining necessary permits required for mobilization; for the establishment of all offices and facilities necessary to work on the project; for premiums on contract bonds; for insurance for the contract; and for other work on the various items on the project site. Mobilization costs for subcontracted work shall be considered to be included.
- B. Contractor's cost for administration, bonding, insurance, and site documents shall be included in mobilization and shall not be paid as a separate item.
- C. All equipment moved to the project sites shall be in good mechanical condition and free of fuel, oil, lubrication, or other fuel leaks. The Contractor shall immediately remove any equipment potentially or actually discharging environmentally damaging fluids.
- D. All equipment moved to the project sites shall be thoroughly cleaned before it is brought to the sites to prevent the introduction of weed seeds. Equipment removed from the sites may not be returned to the sites again until it is thoroughly cleaned again.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION – NOT USED

PART 4 MEASUREMENT AND PAYMENT

4.1 MEASUREMENT

- A. There will be no direct measurement of this item.

4.2 PAYMENT

- B. If more than one pay request is made, partial payments for mobilization/demobilization will be made based on the lump sum bid price as follows:

- 50% of the amount bid for mobilization/demobilization when a minimum of 25% of the contract amount (exclusive mobilization/demobilization) has been completed.
- 100% of the amount bid for mobilization/demobilization when 100% of the contract amount (exclusive mobilization/demobilization) has been completed.

END OF SECTION 01450

SECTION 01750
FINAL CLEANUP

Added Section.

PART 1 GENERAL

1.1 DESCRIPTION

- A. This work consists of final cleanup of the project site prior to final acceptance.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.1 CONTRACTOR RESPONSIBILITIES

The contractor shall be responsible for final clean up at the end of the project to a level satisfactory to the owner. All construction debris, no matter how small, shall be collected and removed from the site. All wheel ruts shall be filled in and be leveled to match the adjacent grade and material. Re-seeding or re-sodding, or other re-surfacing may be necessary to repair any construction related impacts or damage.

All survey markings, stakes, temporary paint marks, flagging and other devices shall be removed regardless of who installed them. All excess pavement, concrete, gravel, soil, or other construction materials not intended for permanent use shall be removed.

Contractor shall be responsible for reclamation of the excavation area, including; bringing the trench backfill to grade, removing all rocks greater than 3" in diameter from the surface and re-seeding. Grass seed shall be sown at the rate of 25 pounds pure live seed per acre on native grass areas using broadcast methods. Seed shall be lightly tilled by rake or other means into first inch of topsoil depth.

All final slopes shall be dressed manually to remove woody debris, accumulated trash and oversized material. Any new slope or topsoil surfaces shall be hand raked to provide a uniform appearance. The contractor shall dress all gravel, pavement and concrete edges to eliminate abrupt edges and provide a smooth transition. All construction related temporary sediment control devices shall be removed as soon as practical.

PART 4 MEASUREMENT AND PAYMENT

4.1 PAYMENT

Unless specifically noted otherwise, all final cleanup work shall be incidental to other work items in the contract and no separate payment shall be made.

END OF SECTION 01750

SECTION 02221
TRENCH EXCAVATION AND BACKFILL FOR PIPELINES AND APPUTENANT
STRUCTURES

All applicable portions of this specification section in the MPWSS shall apply with the following additions, deletions and/or modifications.

PART 1 GENERAL

1.4 DENSITY CONTROL TESTING

A. FIELD DENSITY TESTING

Delete this section and add the following:

In-place field density tests for quality assurance are at Contractors expense meeting AASHTO T238 (ASTM D2922) and AASHTO T239 (ASTM D3017), Nuclear Densometer Methods. Quality assurance field density testing frequency is once per compacted lift, or as directed by Engineer.

Retesting of failing areas is at the expense of the Contractor.

B. LABORATORY MAXIMUM DENSITY and OPTIMUM MOISTURE

Delete this section and add the following:

Quality assurance tests will be made by the Contractors independent testing laboratory for each on-site natural soil or each source of off-site material, including borrow material, to determine the laboratory maximum density values and optimum compaction moisture content under AASHTO T99 or ASTM D698.

PART 3 EXECUTION

3.5 EXCAVATION

Add the following:

Sheeting, Shoring, and Bracing: Except where trench banks are cut back on a stable slope, provide and maintain all sheeting, shoring, and bracing necessary to protect workers, and to protect adjoining grades and structures from caving, sliding, erosion or other damage in accordance with Occupational Safety and Health Standards (29 CFR Part 1926 – Construction Standards for Excavations), the Site Specific Health and Safety Plan, and other applicable codes and governing authorities.

PART 4 MEASUREMENT AND PAYMENT

Delete this section and add the following:

No separate measurement and payment is made for Trench Excavation and Backfill.
Include all costs for this item in the unit price bid for pipe complete and in-place.

END OF SECTION 02221

SECTION 02241
BARRIER ROCKS

Added Section.

PART 1 GENERAL

1.1 DESCRIPTION

- A. This work consists of furnishing and placing barrier rocks at designated areas on the project drawings or as directed by the Engineer.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.1 GENERAL

- A. Furnish hard, durable, angular barrier rock that is resistant to weathering and water action and free of organic or other unsuitable material. Do not use shale, rock with shale seams, or other fissured rock that may break into smaller pieces in the process of handling and placing.
- B. Furnish barrier rocks that approximately measure 8 cubic feet (2.5 – 3.5 feet in nominal diameter as measured on the long axis). Embed barrier rocks 1/3 of the diameter below finished or existing grade. Backfill around embedded barrier rocks by tamping with hand tools and/or mechanical equipment. Space barrier rocks at 5 feet clearance as measured from edge to edge.
- C. Install barrier rocks according to the project drawings or as directed by the Engineer.

PART 4 MEASUREMENT AND PAYMENT

4.1 PAYMENT

- A. Barrier rock placement will be measured and paid for by the each (EACH).

END OF SECTION 02241

SECTION 02910

REVEGETATION

All applicable portions of this specification section in the MPWSS shall apply with the following additions, deletions and/or modifications.

PART 1 GENERAL

1.1 DESCRIPTION

Add following:

This work also includes conserving, placing, and finishing topsoil placement at designated areas on the project drawings or as directed by the Engineer.

PART 2 PRODUCTS

2.1 SEED

Add the following:

Utilize the following seed mix for all areas to be seeded.

Seed Name	% Pure Live Seed	Lbs. Per Acre
Western Wheatgrass	30	*
Bluebunch Wheatgrass	20	*
Hard Fescue	20	*
Slender Wheatgrass	15	*
Smooth Bromegrass	15	*

* Broadcast and Hydroseed Rate = 25 lbs/acre

2.2 TOPSOIL

Add the following:

Utilize all salvaged topsoil conserved from clearing and grubbing operations to cover excavation and embankment slopes prior to fertilizing, seeding, or mulching.

2.4 FERTILIZER

Add the following:

When broadcast seeding, apply the fertilizer separately. When drill seeding, do not apply seed and fertilizer in a single mixture. The fertilizer must be applied separately, either broadcast before seed application, or surface banded during seeding.

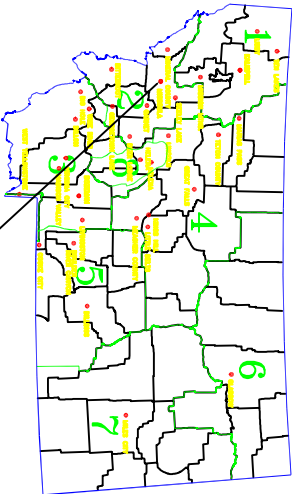
PART 4 MEASUREMENT AND PAYMENT

4.1 GENERAL

Delete this section and add the following:

- A. Revegetation will not be measured for payment and is considered incidental to other work items in this Contract.
- B. Placing conserved topsoil will not be measured for payment and is considered incidental to other work items in this Contract.

END OF SECTION 02910



Project Location

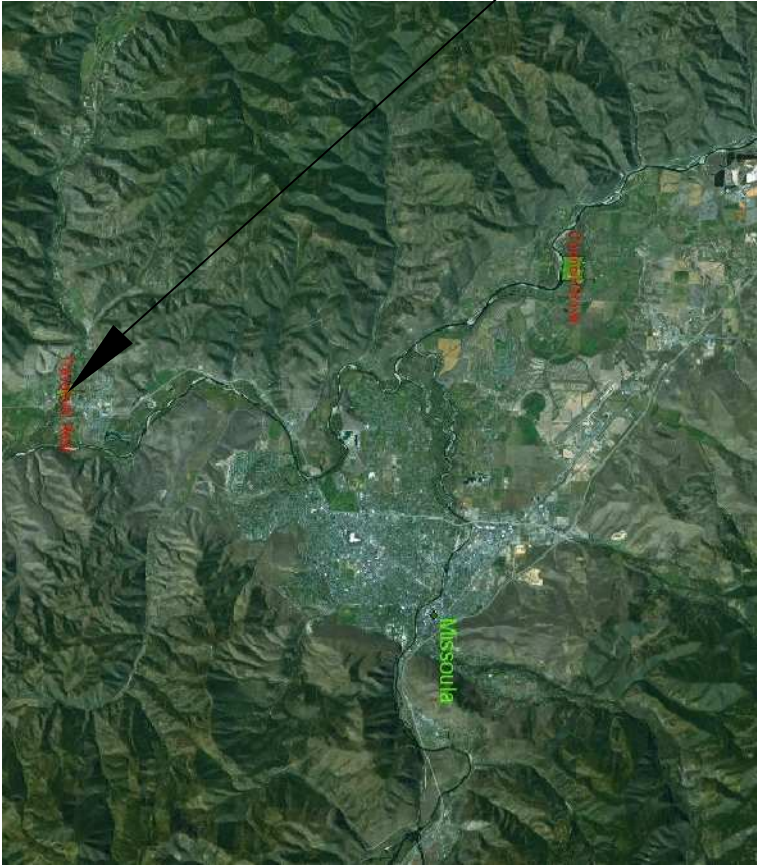
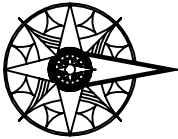


Traveler's Rest State Park Water System Upgrade FWP PROJECT #7116303

- SHEET INDEX
- T1. Title Sheet

2. Plan Sheet

3. Details Sheet



K. Williams		06/2013	
DRAWN BY:	DATE:	REVISED BY:	DATE:
CHECKED BY:	DATE:	APPROVED BY:	DATE:





K. Williams	05/2013
DRAWN BY:	DATE:
CHECKED BY:	DATE:

REVISED BY:	DATE:
APPROVED BY:	DATE:

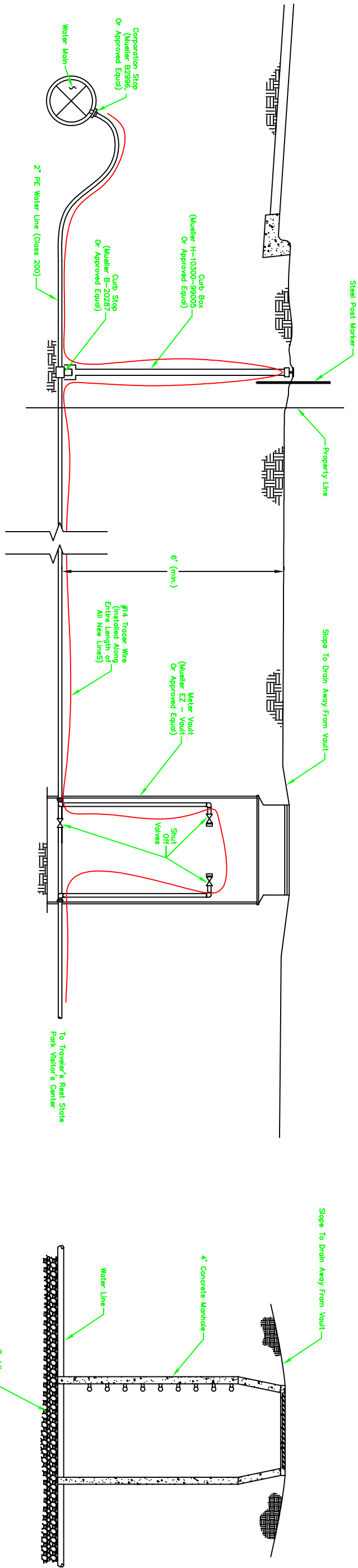
APPROVED BY:	DATE:
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Montana Fish, Wildlife & Parks

Plan View

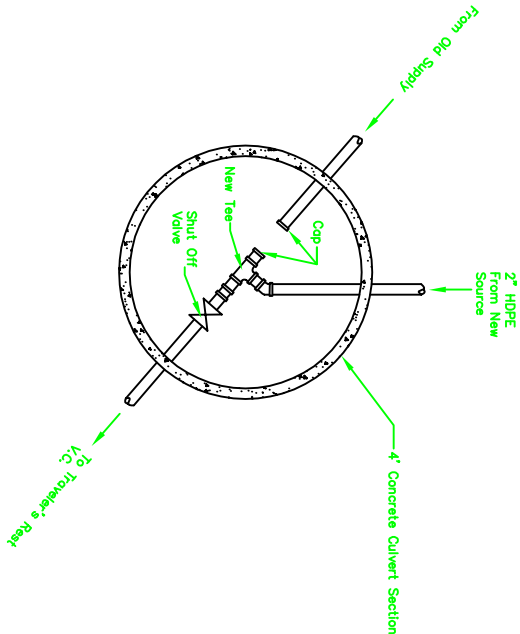
Traveler's Rest State Park



DETAIL 1 - CONNECTION TO WATER MAIN

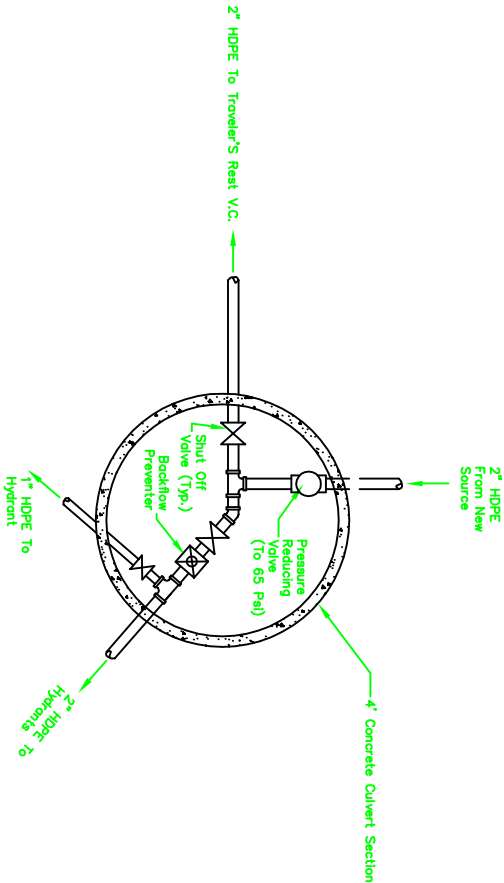
CONCRETE VAULT (TYP.)

NTS



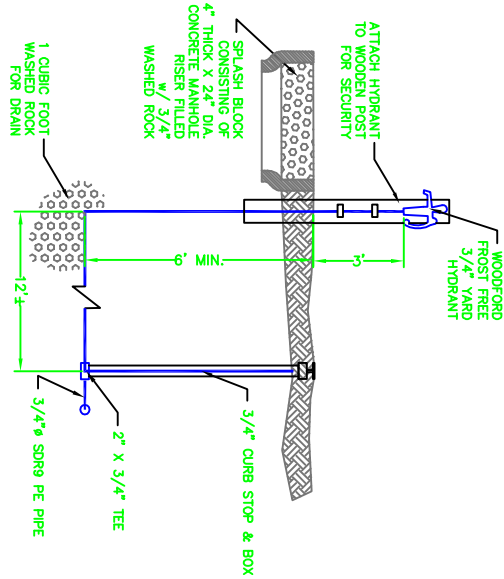
DETAIL 2 - CONNECTION TO EX. SERVICE LINE

NTS



DETAIL 2 - VALVE VAULT

NTS



YARD HYDRANT

NTS

K. Williams	05/2013
DRAWN BY:	DATE:
CHECKED BY:	DATE:
APPROVED BY:	DATE:



Montana Fish, Wildlife & Parks Details
Traveler's Rest State Park